

STUDENT INDUSTRIAL WORK EXPERIENCE SCHEME (SIWES)  
FROM MARCH 51<sup>th</sup> TO AUGUST 100<sup>th</sup>  
AT CONVERGE GLOBAL CONCEPT TECHNOLOGIES  
THE QUAD, 20 LAYI YUSUF CRESENT, LEKKI, LAGOS, NIGERIA



A TECHNICAL REPORT, BY  
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SUBMITTED TO THE DEPARTMENT OF COMPUTER AND  
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## **Dedication**

I dedicate this to my parents – for their blood, sweat, tears, and sacrifice in getting me to where I am today. Without them, I would be nowhere near capable of putting myself through university.

Their love, support, and guidance make life worth living to the fullest and constantly encourages me to do my best in all the endeavours I pursue.

## **Acknowledgements**

I wish to acknowledge the Almighty God first, because without him, none of this would have been possible in any way.

I also would like to acknowledge my supervisor at work, Mr. Ugochukwu Okorie. He was exceedingly patient with me throughout the duration of my stay and tried his best to guide me into being the best intern I could be.

Covenant University, my institution of learning, also deserves praise because their commitment to full-scale blended learning gave me an edge over other applicants as I was able to demonstrate prior knowledge of applicable skills in the workplace that I had acquired from Coursera.

Lastly, to my friends who were there for me, offering encouragement and motivation throughout the period, I'm grateful for each and every one of you.

## **Abstract**

This report goes over the highlights of my industrial work experience placement at Converge Technologies, which lasted for 24 weeks and started on March 5<sup>th</sup> and ended August 20<sup>th</sup> 2023.

It provides an overview of the entire process from start to finish, the background information behind the programme, the work I performed at the company, its relevance to my course of study, as well as the challenges and issues I faced.

The report also covers the company's goals, work ethics, business practices, activities, and culture and their influence on the time I spent there.

## Table of Contents

Dedication .....	ii.
Acknowledgements .....	iii.
Abstract .....	iv.
1. Introduction .....	1.
1.1. Student Industrial Working Scheme (SIWES) .....	1.
1.1.1. Collection of Relevant SIWES Documents .....	1.
1.1.2. Internship Application and Acceptance .....	1.
1.2. About the Company: Converge Technologies .....	1.
1.2.1. Historical background .....	2.
1.2.2. Services offered .....	2.
1.2.3. Organisational structure .....	2.
1.2.4. Internship policy .....	2.
1.3. Submission of documents .....	2.
1.3.1. To CU SIWES Office .....	2.
1.3.2. To ITF .....	2.
1.4. Commencement of internship .....	2.
2. Facilities available .....	4.
2.1. Facilities & Tools .....	4.
2.2. Quality of supervision .....	10.
2.3. Knowledge gained .....	10.
2.3.1. Technical skills .....	10.
2.3.2. Trainings completed .....	10.
2.3.3. Soft skills .....	10.
3. Contributions .....	11.
3.1. Applicability of knowledge in .....	11.
3.1.1. field of study and educational career .....	11.
3.1.2. Converge .....	11.
3.1.3. Larger society .....	11.
3.1.4. Bridging gaps in knowledge with curriculum .....	11.
3.1.5. Relation to culture .....	11.
3.2. Challenges .....	11.
3.2.1. By me .....	11.
3.2.2. By company .....	11.
3.3. Projects .....	11.
3.3.1. Windows server .....	11.
3.3.2. VMs .....	11.
3.3.3. ManageEngine .....	11.

4. Conclusion & Recommendations .....	11.
4.1. Conclusion .....	11.
4.2. Recomendations .....	12.
References .....	13.

## **List of Figures**

Figure 1: A HP ProBook 650 G1 .....	4.
Figure 2: A Dell S3423DWC monitor .....	4.
Figure 3: My inbox on the company-hosted email website .....	5.
Figure 4: The calendar view in Thunderbird .....	6.
Figure 5: A HP LaserJet Pro MFP M28a .....	6.
Figure 6: Spectranet logo .....	7.
Figure 7: The Training Portal's 'My Completed Training' page .....	7.
Figure 8: The Red Hat Enterprise Linux desktop .....	8.
Figure 9: The Red Hat Enterprise Linux desktop .....	8.
Figure 10: The Teams window in the Chat view .....	9.
Figure 11: A code repository hosted on GitLab .....	10.

# **1. Introduction**

## **1.1. Student Industrial Working Scheme (SIWES)**

Write a bit about SIWES from here <https://www.siwes.itf.gov.ng/Identity/LandingPage/siwes>

The SIWES<sup>1</sup> is a thing so like, lol haha

It's administered by the ITF<sup>2</sup>

(“More on SIWES” 2023) (“Industrial Training Fund - Who We Are” 2023)

### **1.1.1. Collection of Relevant SIWES Documents**

During the first semester of my third year, I met Mr. B. O. Odusote to collect the things I needed. It consisted of the following:

- A letter of introduction that authorised us for the SIWES training.
- A logbook - in which I was to note down my day-to-day activities along with relevant diagrams and sketches.
- A SCAF<sup>3</sup> - to be submitted at the commencement of the thing.
- An ITF Form 8 with list of offices.
- An ITF Form C - an assessment of the industrial training.

I then proceeded to make scans of the forms for safekeeping.

After that we had an orientation with some officials from the university, along with the Dean of Student Affairs, to instruct us on our conduct during the internship period and answer all the questions that we had.

### **1.1.2. Internship Application and Acceptance**

I sent an email to the company with my résumé and SIWES letter and was invited for a physical chat on the 1<sup>st</sup> of March, 2023. During the interview, I was asked about my previous experience working with Linux systems and other relevant questions.

After the interview, I was reached out to resume on the 13<sup>th</sup> of March, 2023. I was also instructed to print out a copy of their internal internship form and fill it, for record-keeping.

## **1.2. About the Company: Converge Technologies**

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<sup>1</sup>Student Industrial Working Experience Scheme

<sup>2</sup>Industrial Training Fund

<sup>3</sup>Student Commencement of Attachment Form



### **1.2.1. Historical background**

talk about stuff and location, vision, mission

### **1.2.2. Services offered**

talk about partnership with RH

### **1.2.3. Organisational structure**

### **1.2.4. Internship policy**

## **1.3. Submission of documents**

### **1.3.1. To CU SIWES Office**

- Acceptance letter: I sent an email to the SIWES office confirming the receipt of my acceptance letter, sent by the company's HR department.

### **1.3.2. To ITF**

- SCAF: This was filled and submitted on March XXth, in order to meet the two-week deadline imposed by ITF for the submission of the form

## **1.4. Commencement of internship**

Upon my resumption on March XXth, I was given a HSE<sup>4</sup> walkthrough of the company in order to minimize hazards and prevent accidents at the workplace. This involved instructing me on the emergency evacuation procedures, what the various alarm systems signified, and and showing me the emergency exits and muster points.

I was then given my personalised keycard for getting through the office doors, as well as my official email address for all company communication.

After that, I was introduced to my manager, Mr. Ugochukwu Okorie, head of the Datacentre, Security & Automation team – to whom I would be directly reporting. He gave me an overview of my expected responsibilities and tasks, which included:

- Learning about various Red Hat products and solutions offered by the company.
- Attending technical meetings and shadowing employees and contractors while they performed various tasks.
- Helping with various support tasks around the office.

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<sup>4</sup>Health, Safety and Environment

- Setting up, documenting and testing proofs of concept for proffered solutions to client companies.

We also discussed how frequent I was expected to check in with him, and assignments I was expected to embark upon.

## **2. Facilities available**

### **2.1. Facilities & Tools**

Converge makes use of various tools, consisting of both hardware and software, to make day-to-day running of the company efficient. As an intern, I was entitled to some of these – some notable ones are:

#### **1. Laptop:**

Laptop computers provide employees with mobility and flexibility, allowing them to work securely from various locations while still adhering to the company's security protocols. I was given a company-branded Hewlett-Packard ProBook 650 G1 for official use.



Figure 1: A HP ProBook 650 G1

#### **2. Computer Monitor:**

A computer monitor is essential for efficient work, which provided me with a larger display for employees to manage and view data securely without compromising visibility. I was provided with a Dell 34" monitor.

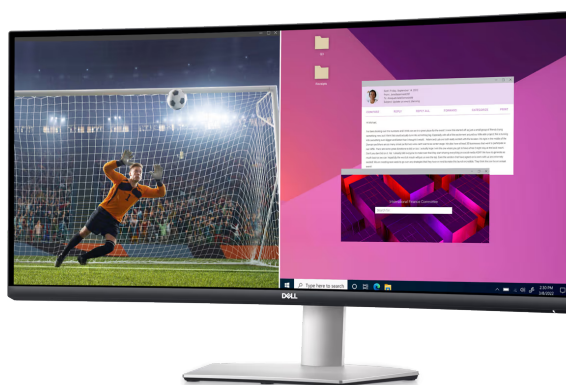


Figure 2: A Dell S3423DWC monitor

### 3. Official Email Address:

The company chose to host its email over a more general-purpose solution in order to ensure confidentiality, integrity, and availability of business-related communications, thereby safeguarding sensitive information.

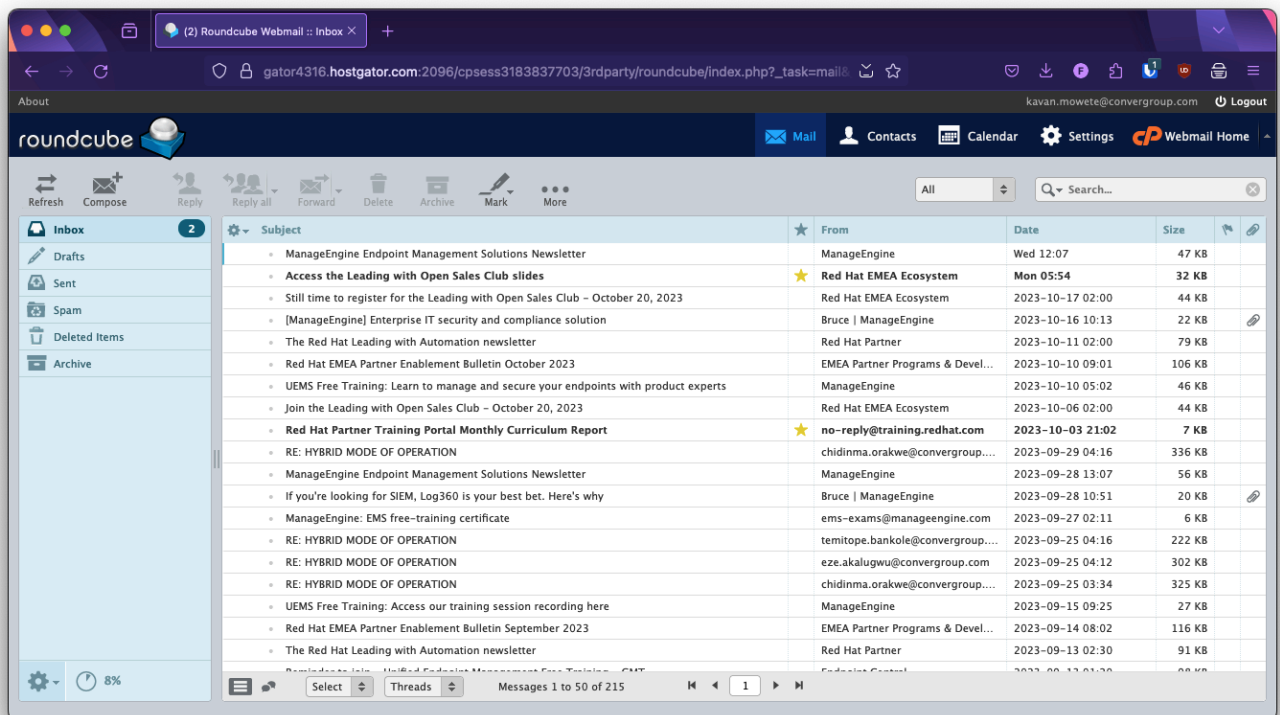


Figure 3: My inbox on the company-hosted email website

### 4. Mozilla Thunderbird:

Thunderbird was chosen as it is the premier open-source email client that helps in securely managing and accessing company email, with robust features for encryption, calendar management, and spam filtering.

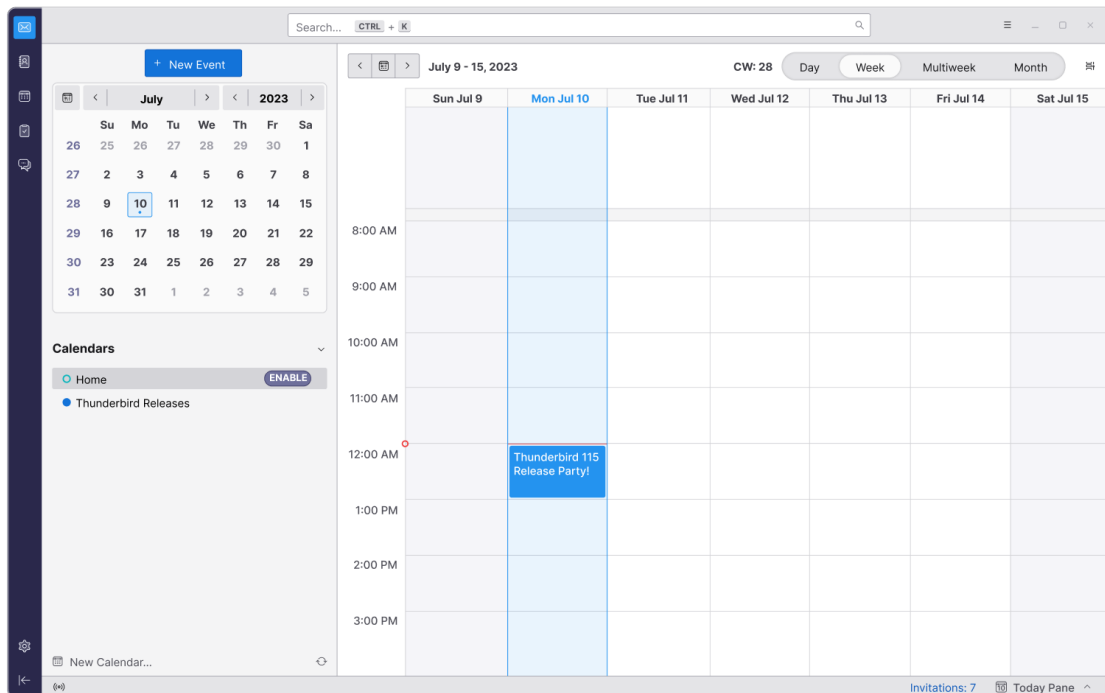


Figure 4: The calendar view in Thunderbird

#### 5. All-in-one Colour Printer:

There's multiple printers on premises for producing hard copies of documents – which can be necessary for secure documentation, especially when sensitive information needs to be physically stored or shared securely. One of these was a Hewlett-Packard LaserJet Pro MFP M28a.



Figure 5: A HP LaserJet Pro MFP M28a

#### 6. Wi-Fi Access Point:

We were provided with secure and controlled wireless network access, allowing us to work from various locations within the company premises

while maintaining network security standards. The internet was provided by Spectranet.



Figure 6: Spectranet logo

## 7. Red Hat Portal:

The Red Hat Portal is a secure platform for accessing and managing Red Hat Enterprise Linux subscriptions and support, which is vital for maintaining a secure and reliable operating environment. I primarily engaged with my coursework material on the Partner Training portal.

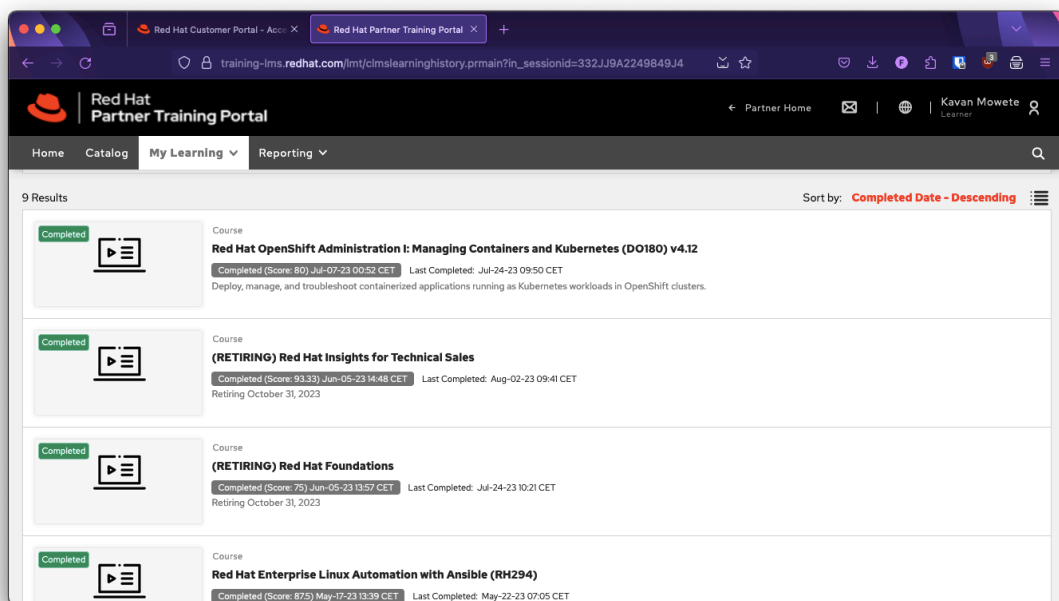


Figure 7: The Training Portal's 'My Completed Training' page

## 8. Enterprise Linux:

Enterprise Linux is known for its security features and reliability, making it an excellent choice for a secure company environment, ensuring the protection of critical data and applications.

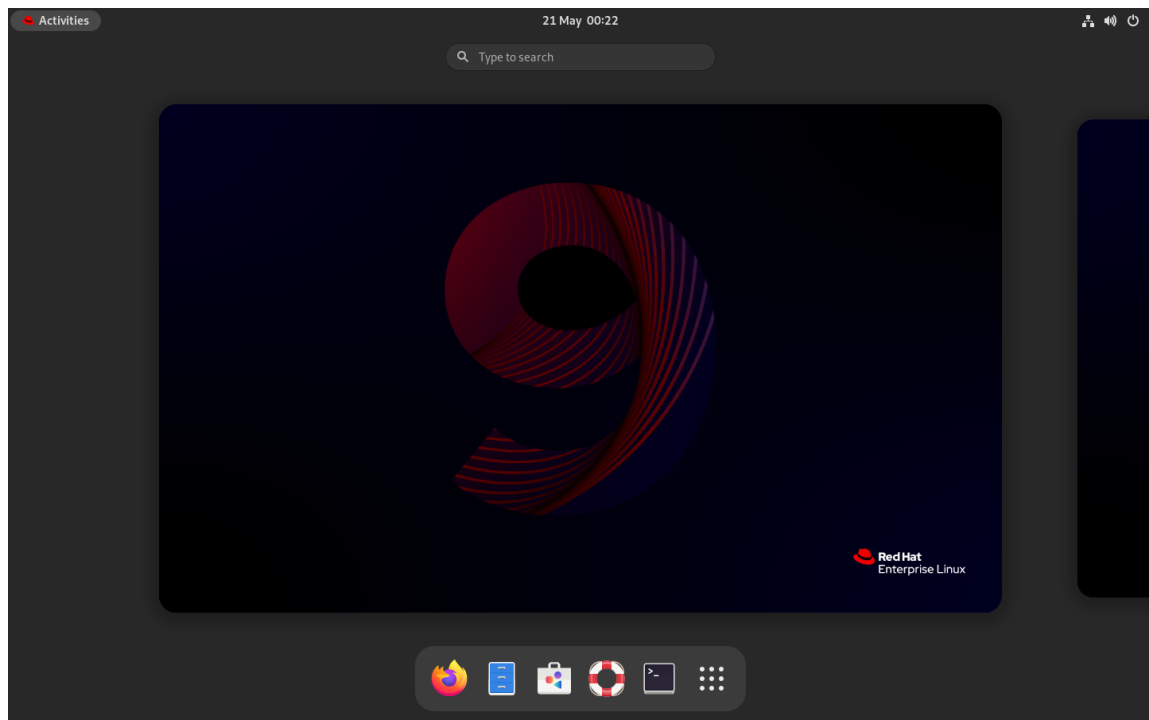


Figure 8: The Red Hat Enterprise Linux desktop

## 9. **Windows Server 2019:**

Windows Server 2019 provides a secure and stable platform for hosting critical company applications and services, with widespread support for commonly used technologies like Active Directory and built-in security features for data protection.

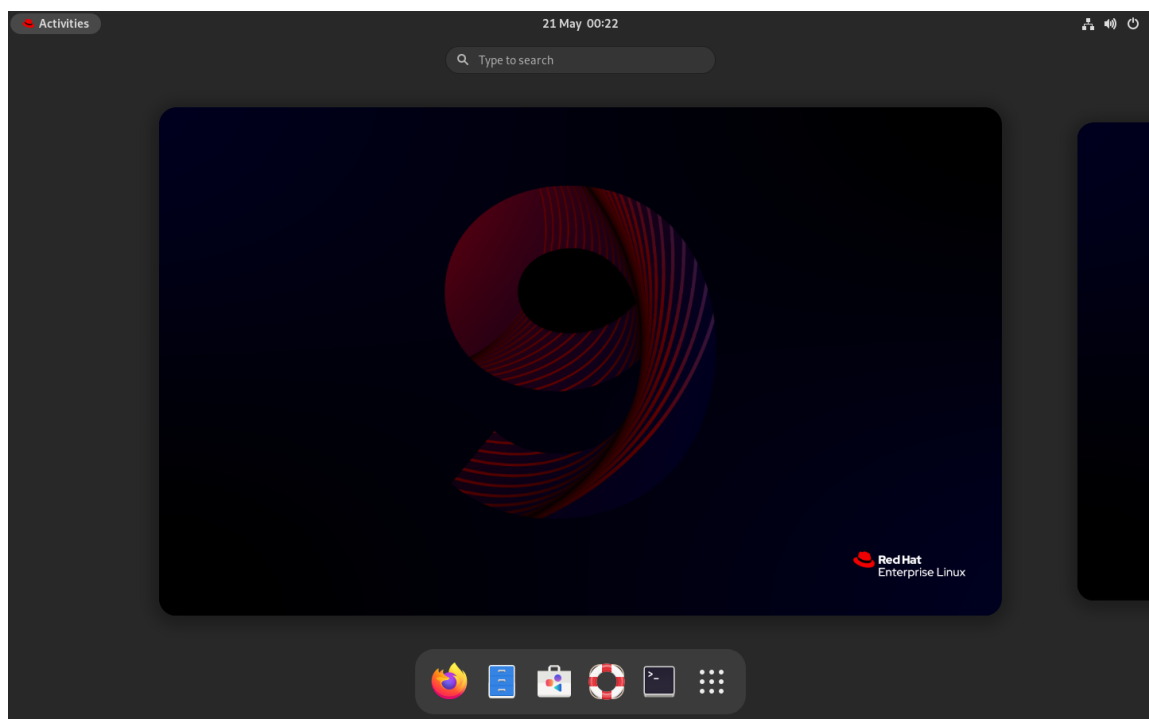


Figure 9: The Red Hat Enterprise Linux desktop

## 10. Microsoft Teams

Teams offers a secure platform for communication and collaboration, including features like end-to-end encryption and multi-factor authentication, ensuring confidential discussions and file sharing.

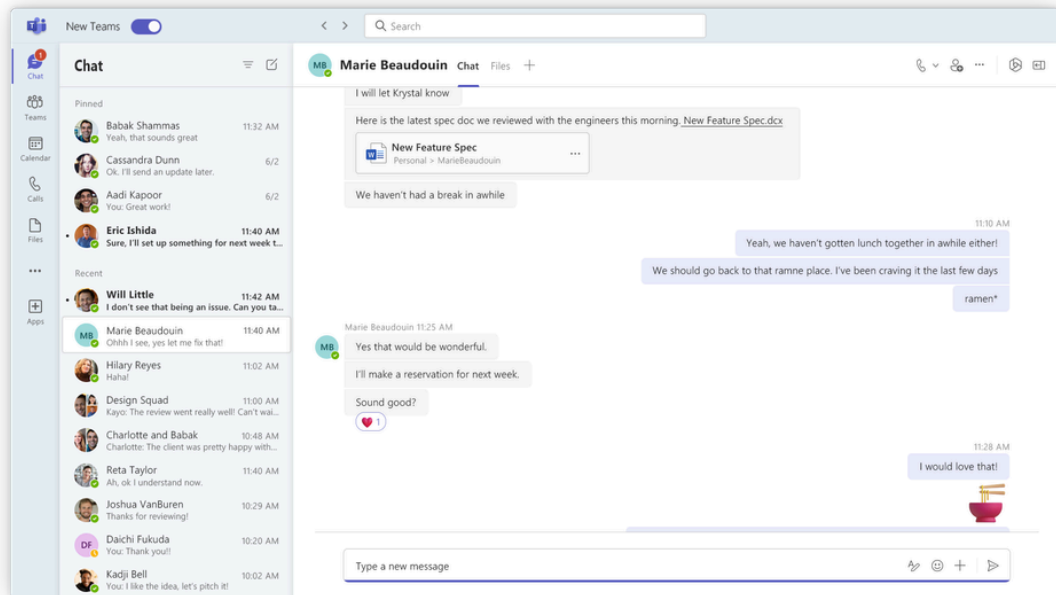


Figure 10: The Teams window in the Chat view

## 11. GitLab:

Gitlab is a secure source code management and version control platform, essential for safeguarding proprietary source code and tracking changes while ensuring the integrity of the codebase. In addition, its self-hosting capabilities make it attractive for enterprise as it can be modified to meet specific security and operational requirements.



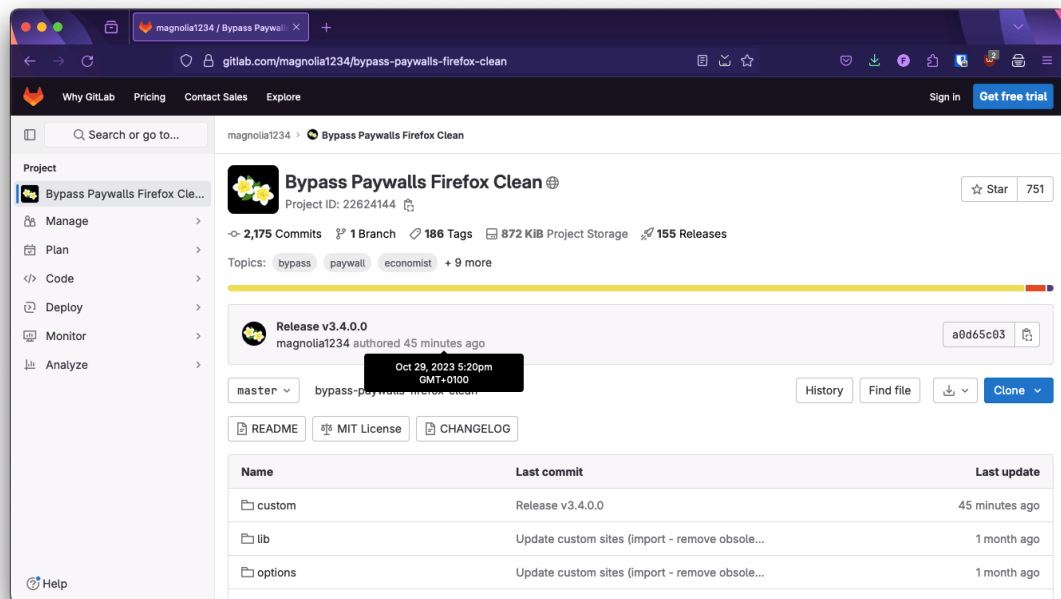


Figure 11: A code repository hosted on GitLab

## 2.2. Quality of supervision

something self paced, weekly meetings, completing the courses, doing proof-of-concepts

## 2.3. Knowledge gained

### 2.3.1. Technical skills

Red Hat stuff, manageengine stuff, linux

### 2.3.2. Trainings completed

list of courses and material

### 2.3.3. Soft skills

team relations etc.

### **3. Contributions**

talk about how contrubtions are good

An internship requires so much more than simply carrying out daily tasks and routines; it demands the chance to be exceptional in one's ideas and contributions through creativity and automation. It entails contributing to the organization's goals and becoming an effective team member. Pertinence Group made certain that interns were treated as more than just junior temporary members, but as important innovative and youthful team members who could contribute to the organization's highly impactful and innovation-driven activities.

#### **3.1. Applicability of knoledge in**

##### **3.1.1. field of study and educational career**

talk abotu applicability of stuff

##### **3.1.2. Converge**

##### **3.1.3. Larger society**

##### **3.1.4. Bridging gaps in knowledge with curriculum**

##### **3.1.5. Relation to culture**

#### **3.2. Challenges**

##### **3.2.1. By me**

##### **3.2.2. By company**

talk abotu profit margins for Q1

#### **3.3. Projects**

##### **3.3.1. Windows server**

##### **3.3.2. VMs**

##### **3.3.3. ManageEngine**

### **4. Conclusion & Recommendations**

#### **4.1. Conclusion**

## **4.2. Recomendations**

tbh i've always been a fan of (Rowling 2003) and my fave music (Ishkur, n.d.)

## **References**

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